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May 14, 1980

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TITLE: AUTOMATIC NAVIGATION EQUIPMENT

PUBN-DATE: May 14, 1980

INVENTOR-INFORMATION:

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APPL-NO: JP53137182

APPL-DATE: November 6, 1978

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ABSTRACT:

PURPOSE: To make navigation automatically controllable by generating steering signals in such a way that self-bearing and position are measured, settled course to return to the predefined route, and the deviation between the settled course and the measured bearing.

CONSTITUTION: Self-bearing is measured by a bearing measurement instrument 12 to measure self-bearing, such as gyrocompass. And self-position is measured by a navigation satellite receiver 11, the settled course is calculated for returning to the predefined route. Then, the deviation $\Delta\theta$ is calculated between the settled course and the self-bearing measured by the bearing measurement instrument 12, this deviated signal is supplied as steering signal to an automatic steering arrangement 14. This steering signal controls opening and closing of electromagnetic valve of a steering gear 15 to make movements so that the deviation signal may be zero.

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